



**Pillole di
LATEX**

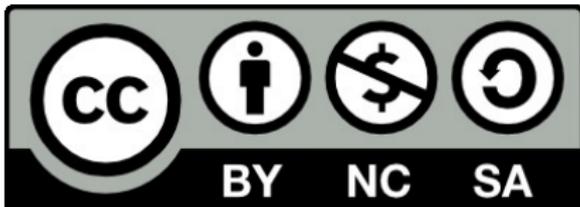
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Scrivere una tesi

Domanda

C'è un modo per spezzare un documento \LaTeX su più files?

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Naturalmente sì!

- ▶ `\input{file}`: inserisce il contenuto di `file` nel punto corrente, come se fosse scritto direttamente lì.
- ▶ `\include{file}`: inserisce il contenuto di `file` nel punto corrente ma prima **chiude** la pagina corrente. Utile per i **capitoli** di una tesi!

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Consiglio di scrivere un file principale (da compilare) e tanti “piccoli” files, uno per capitolo, da includere con `\include`.

Per convenienza, conviene creare una `directory` per il testo, una per le immagini e una per la bibliografia.

Tesi: esempio

```
\documentclass[a4paper,12pt,twoside]{book}
\usepackage[hmargin=3.5cm,vmargin=3cm,twoside]{geometry}
\usepackage[utf8x]{inputenc}
\usepackage[english,italian]{babel}
...
\begin{document}
  \include{chap/cover}
  \selectlanguage{english}
  \include{others/abstract}
  \selectlanguage{italian}
  \include{others/sommario}
  \selectlanguage{english}
  \include{chap/intro}
  \include{chap/methodology}
  \include{chap/results}
  \include{chap/conclusions}
  \appendix
  \include{chap/experiments}
  \include{biblio/bibliography}
\end{document}
```

Articoli

Molti editori accettano articoli scientifici o libri già scritti in \LaTeX dagli autori, mettendo a disposizione le classi necessarie.

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Altrimenti, basta andare sul sito dell'editore, scaricare il file/s `.cls` opportuno/i e copiarli nella directory di lavoro. Generalmente degli esempi sono inclusi.

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Preparation

Use of wordprocessing software

It is important that the file be saved in the native format of the wordprocessor used. The text should be in single-column format. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the wordprocessor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier: <http://www.elsevier.com/guidepublication>). Note that source files of figures, tables and text graphics will be required whether or not you embed your figures in the text. See also the section on Electronic artwork.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your wordprocessor.

LaTeX

If the LaTeX file is suitable, proofs will be produced without rekeying the text. The article should preferably be written using Elsevier's document class 'elsarticle', or alternatively any of the other recognized classes and formats supported in Elsevier's electronic submissions system, for further information see <http://www.elsevier.com/wps/find/authorsview.authors/latex-ees-supported>.

The Elsevier 'elsarticle' LaTeX style file package (including detailed instructions for LaTeX preparation) can be obtained from the Quickguide: <http://www.elsevier.com/latex>. It consists of the file: elsarticle.cls, complete user documentation for the class file, bibliographic style files in various styles, and template files for a quick start.

Article structure

Subdivision - numbered sections

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Material and methods

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.

Results

Results should be clear and concise.

Text, tables and figures must show minimal overlap, and must be internally consistent.

Discussion



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Preparing Documents with LaTeX

Welcome to the Elsevier LaTeX pages. These pages are intended to support journal authors who are writing their manuscripts in LaTeX. *Please note that not all journals accept LaTeX submissions and you should check the **Guide for Authors** of your journal before proceeding.*

The first linked page is a general introduction to preparing journal articles with LaTeX. This includes the support provided during the manuscript submission and review process. Authors are advised to read this page first.

- [Preparing journal articles with LaTeX](#)

The next page is a full description of Elsevier's own journal document class, `elsarticle.cls`, its supporting packages and the many features that this class offers to authors. While use of `elsarticle.cls` is not mandatory, it is recommended.

- [The elsarticle document class](#)

The final page is a description of additional features that can be used when preparing camera-ready copy (CRC) articles.

- [Preparing CRC articles with LaTeX](#)

Note: authors of IFAC meeting papers should visit the [IFAC website](#) for instructions and relevant resources.

Other LaTeX pages

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Introduction

Obtaining elsarticle

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Which layout option is best for my journal?

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Introduction

elsarticle.cls is Elsevier's document class for journal articles. It is the preferred format for submitted articles, both in Elsevier's electronic submission system and elsewhere. This page contains information about elsarticle.cls, its documentation and supporting templates, packages and bibliographic style files.

Bugs and problems with elsarticle.cls may be reported to the developers of the class via elsarticle@river-valley.com. For all other enquiries please contact Elsevier author support at support@elsevier.com.

Obtaining elsarticle

elsarticle.cls is based upon the standard LaTeX document class article.cls. It makes use of existing standard packages, such as natbib.sty for bibliographical references. The AMS packages [amssymb](#) and [amsthm](#), which provide additional mathematical symbols and theorem environments, are compatible with elsarticle.

Documentation for elsarticle is available in the file [elsdoc.pdf](#).

The archive file [elsarticle.zip](#) contains the latest versions of elsarticle.cls and all the other files described on this page. The elsarticle files are also released periodically through [CTAN](#) and as part of the major TeX distributions. Click [here](#) for some guidelines on using CTAN, and for a complete list of the packages required to run elsarticle properly. All the required packages are included as standard with LaTeX distributions.

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To install elsarticle, unzip the elsarticle.zip file. Usually the file can be unzipped directly in the local tree of your TeX distribution (for TeX Live, this would be in the texmf-local directory). The archive contains the following files:

- **elsarticle.cls**, the class file (last updated 17 December 2009)
- **elsdoc.pdf**, the user documentation
- **elsarticle-template-num.tex**, general manuscript template for numerical references
- **elsarticle-template-harv.tex**, general manuscript template for name-year references
- Several bibliographic style files for use with BibTeX (**see below**)
- Manuscript templates for use with these bibliographic styles (**see below**)

Note: Elsevier journals still accept submissions using the previous journal document class, **elsart**, but this is no longer supported or maintained. We encourage all authors and editors to use elsarticle in preference.

Class options

elsarticle.cls provides a number of options to format the manuscript in different ways according to what is required. The main options are listed below:

- **preprint** - default option yielding a standard manuscript format
- **review** - as preprint but with extra interline space for use in the review process
- **1p** - formats according to the look and feel of a single-column journal style (text area 19.8 x 13.5 cm). See the note below about journal layout options.
- **3p** - formats according to the look and feel of one- or two-column journal style (text area 21.9 x 16.5 cm). To use the two-column variant declare an additional **twocolumn** option. See the note below about journal layout options.
- **5p** - formats according to the look and feel of a two-column journal style (text area 24.1 x

Other LaTeX pages

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Presentazioni

Con \LaTeX si possono creare presentazioni: basta usare la classe `beamer`.

L'unità fondamentale è l'ambiente `frame`, che rappresenta una trasparenza.

È possibile inserire immagini e video, usare i consueti ambienti come `itemize` e scrivere formule e simboli usando la solita notazione \LaTeX !

Si possono aggiungere “animazioni” tramite la temporizzazione degli ambienti e con comandi come `\pause` o `\onslide{1-3}`.

Presentazioni: esempio

```
\begin {frame}{Slide di esempio}
  \begin{theorem}[Beatles' Theorem]
    One and one and one is three.
  \end{theorem}
  \pause
  Esempio di due liste su due colonne:
  \begin{columns}[T]
    \begin{column}{0.45\textwidth}
      \begin{itemize}[<-+>]
        \item Punto A
        \item Punto B
      \end{itemize}
    \end{column}
    \begin{column}{0.45\textwidth}
      \begin{enumerate}[<-+>]
        \item Punto 1
        \item Punto 2
      \end{enumerate}
    \end{column}
  \end{columns}
\end {frame}
```



GOOD

BYE